

COPY OF PAPERS  
ORIGINALLY FILED

2182



Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/325,882	
	Filing Date	June 4, 1999	
	First Named Inventor	Sinclair et al. <b>RECEIVED</b>	
	Group Art Unit	2182 <b>MAR 20 2002</b>	
	Examiner Name	Harold Kim <b>Technology Center 2100</b>	
Total Number of Pages in This Submission	//	Attorney Docket Number	0100.9900390

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	return postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Christopher J. Reckamp Reg. No. 34,414
Signature	
Date	February 28, 2002

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: Feb. 28, 2002	
Typed or printed name	Rosalie Swanson
Signature	
Date	February 28, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

COPY OF PAPERS  
ORIGINALLY FILED

40  
ah  
3-27-02

PATENT APPLICATION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sinclair et al.  
Serial No. 09/325,882  
Filing Date: June 4, 1999  
Confirmation No. 3412

Examiner: Harold Kim  
Art Group: 2182  
Our file no. 00100.99.0039  
Docket No. 0100.9900390

RECEIVED  
MAR 20 2002  
Technology Center 2100

Title: **POWER REDUCTION CIRCUIT AND METHOD WITH MULTI CLOCK  
BRANCH CONTROL**

*Certificate of First Class Mailing*

Box Non-fee Amendment  
Assistant Commissioner for Patents  
U.S. Patent and Trademark Office  
Washington, D.C. 20231

*I hereby certify that this paper is being sent via first  
class mail to: Box Non-Fee Amendment, Assistant  
Comm. For Patents, U.S. Patent & Trademark Office,  
Washington, D.C. 20231 on this date.*

Attn: Examiner Harold Kim

2/25/02  
Date:

Rosalie Swanson  
Rosalie Swanson

**AMENDMENT AND RESPONSE**

Dear Sir:

In response to the first office action mailed November 28, 2001, Applicants respectfully submit the following amendment and remarks.

In the claims:

Please amend Claims 1, 8 and 13 as follows. In particular, please substitute the below claims for the indicated pending claims with the same number.

1. (Once Amended) A power consumption reduction circuit comprising:

a memory clock source for a graphics controller; and

a memory clock divider circuit, operatively coupled to the memory clock source, that generates divided memory clock output signals as a plurality of corresponding independent clock signals to a number of memory interface circuits for differing processing engines and selectively